# Risk Management

## FM 100-14

# Risk Management

**Risk Management**
**is a**
**FIVE**
**Step process**

**The key elements are:**

Hazard Identification
Accident experience
Workplace survey
Personnel interview
Hazard Assessment
Historical data
ID systems defects
Assess risks
Risk Control Options & Decisions
Engineering
Education
Motivation
Implementation
Coordination
Approval
Assign responsibility
Supervision Evaluation
Measurable standard
Performance level

# Risk Management

## Risk Management Process

### Hazard Identification

**Identify the major events in the operational sequence and the hazards associated with all specified and implied tasks.**

# Risk Management

## Risk Management Process

### Hazard Assessment

**Determine the magnitude of the risk by estimating the probability (frequency) and the effect (severity) if the event occurs.**

# Risk Management

## Risk Management Process

### Risk Control Options and Decisions

**Make risk decisions by balancing the benefits against the risk. Eliminate unnecessary risks and reduce the magnitude of mission-**

# Risk Management

## Risk Management Process

### Implementation

**Integrate controls into Standing Operating Procedures (SOPs), plans, operations orders (OPORDs), training performance standards, and rehearsals.**

# Risk Management

## Risk Management Process

### Supervision and Evaluation

**Determine the effectiveness of risk controls by supervising and enforcing controls and standards.**

# Risk Management

## Four Rules of Risk Management

1. Integrate risk management into planning.
2. Accept no unnecessary risks.
3. Make risk decisions at the proper level.
4. Accept risks if the benefit outweighs the cost.

# Risk Management

## Four Rules of Risk Management

**1. Integrate risk management into planning.**

**It’s easier to integrate risk management early in the life cycle of any operation (training or combat).**

# Risk Management

## Four Rules of Risk Management

**2. Accept no unnecessary risks.**

**The key word is “unnecessary”. An unnecessary risk is a risk that does not contribute meaningfully to the mission. Leaders who take unnecessary risks are gambling.**

# Risk Management

## Four Rules of Risk Management

### 3. Make risk decisions at the proper level

**The "proper level" is the level where the decision maker has the maturity and experience to make a good decision. Normally, this would be the leader responsible for the mission. Decisions should be made at the lowest possible level as long as**

# Risk Management

## Four Rules of Risk Management

4. Accept risks if the benefit outweighs the cost.

**Army leaders are in the risk-taking business.**

**There is always risk, and where there is risk,**
**sooner or later there will be an accident.**

**Risk management minimizes**

# Risk Management "3 Deep"

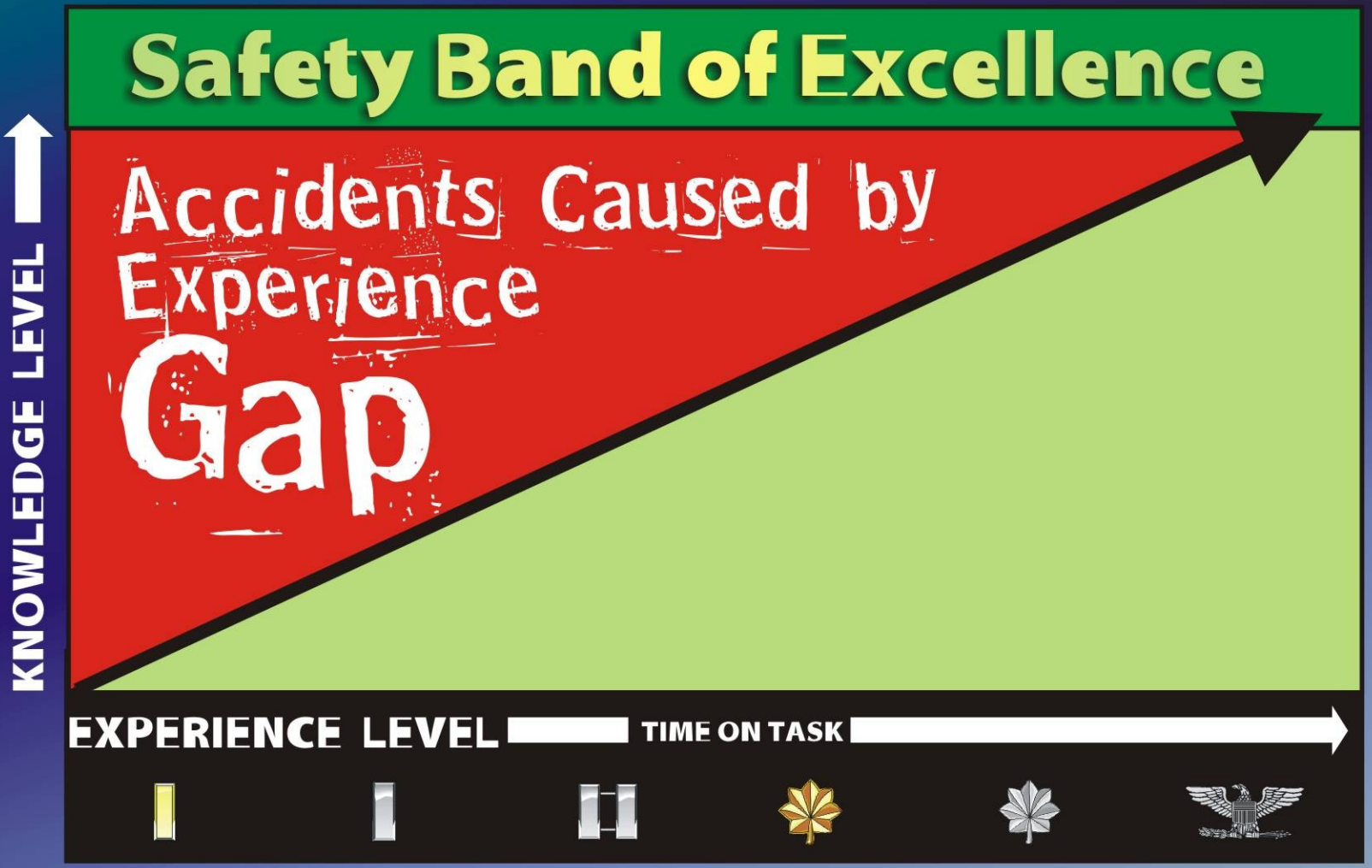
Sergeant's Time Training

Requires Multi-Level Leader Involvement

Company Battle Drill

# "The Risk of Inexperience"

## "Cody Model"



# Tools to Bridge the Gap

ASMIS-1
WEB Based
POV - AIR - GROUND

Commander's Safety Course

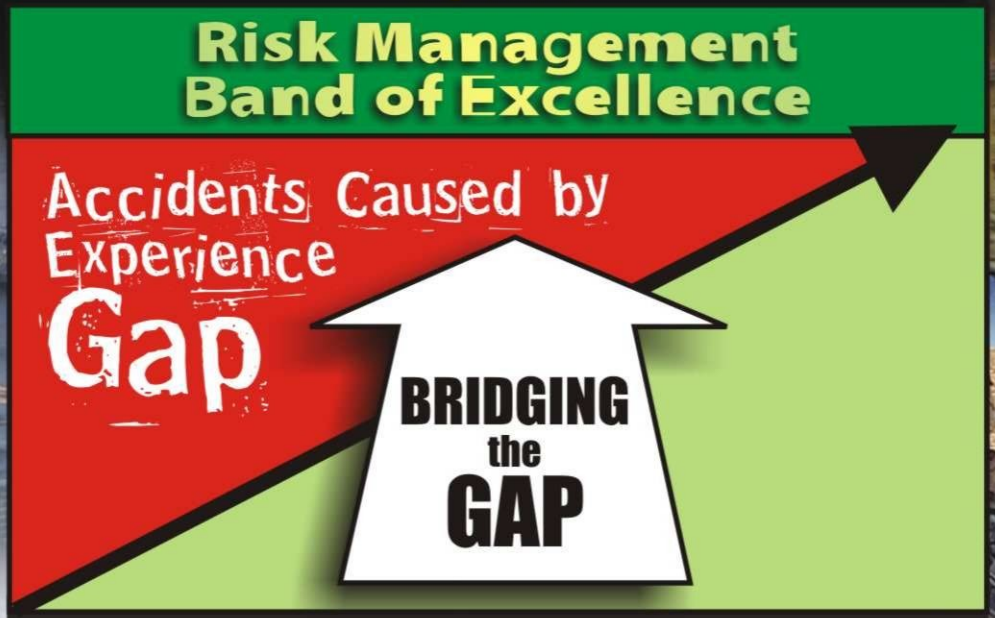
Commander Safety Brief

Pockets of Excellence
Shares Best Practices

Deployment Videos
& PSAs

Lessons Learned
- RMIS
- Flightfax
- Countermeasure
- Listservers

"Cody Model"



# Risk Management

**A risk assessment matrix is an effective tool**

**that can be used to determine how risky an**

**identified hazard is. The standard measures**

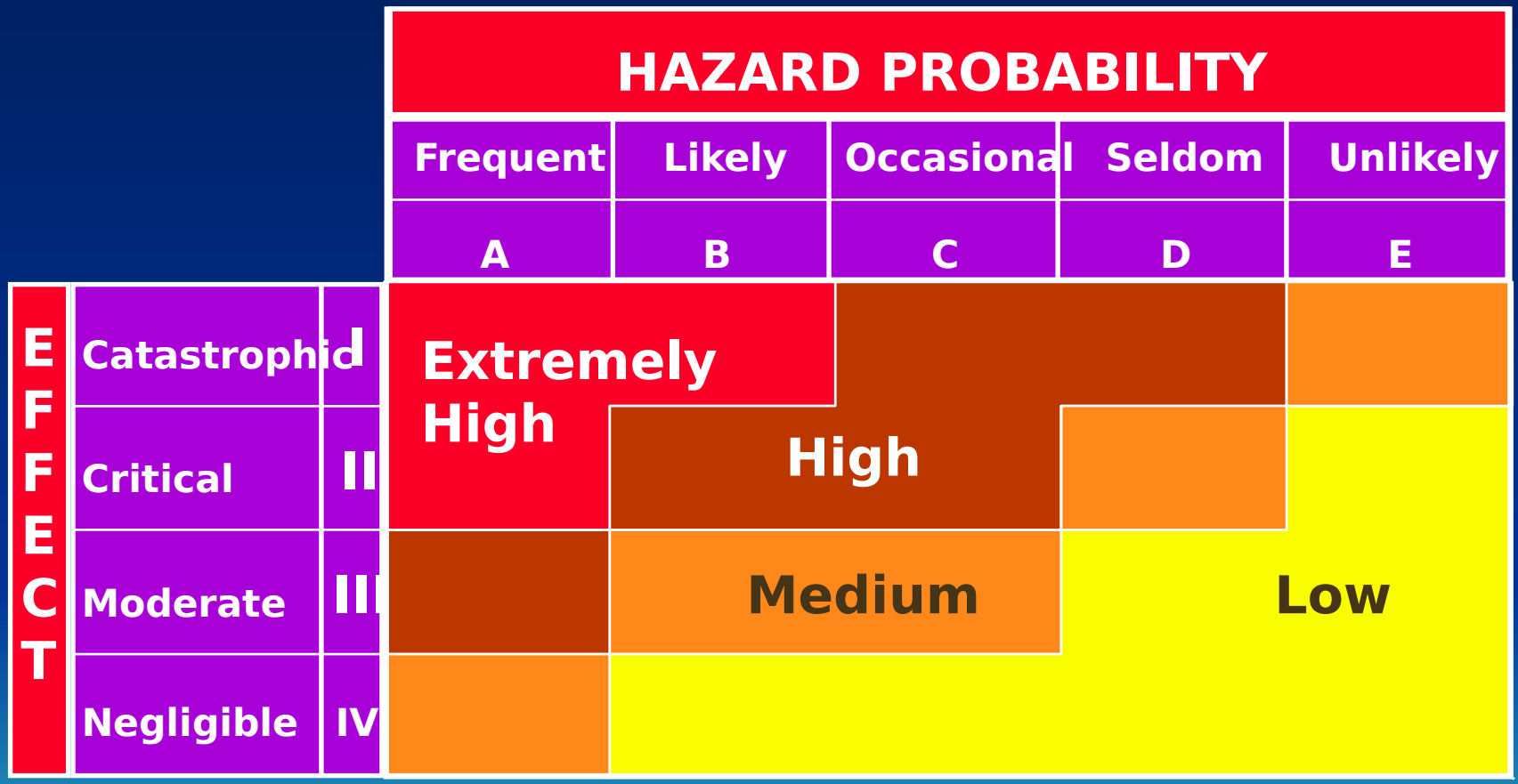
**used in risk assessment matrices are:**

**Probability - How likely is an event to occur.**

**Effect - Consequences if the event**

# Risk Management

## Risk Assessment Matrix



# Risk Management

## Risk Assessment Matrix

| HAZARD PROBABILITY | | | | |
|---|---|---|---|---|
| Frequent | Likely | Occasional | Seldom | Unlikely |
| A | B | C | D | E |

## A - Frequent

| | |
|---|---|
| Individual item. | Occurs often in the life of the system. |
| Fleet or inventory. | Continuously experienced. |
| Individual soldier. | Occurs often in career. |
| All soldiers exposed. | Continuously experienced. |

# Risk Management

## Risk Assessment Matrix

| HAZARD PROBABILITY | | | | |
|---|---|---|---|---|
| Frequent | Likely | Occasional | Seldom | Unlikely |
| A | B | C | D | E |

## B - Likely

| | |
|---|---|
| Individual item. | Occurs several times in the life of the system. |
| Fleet or inventory. | Occurs frequently. |
| Individual soldier. | Occurs several times in career. |
| All soldiers exposed. | Occurs frequently. |

# Risk Management

## Risk Assessment Matrix

| HAZARD PROBABILITY | | | | |
|---|---|---|---|---|
| Frequent | Likely | Occasional | Seldom | Unlikely |
| A | B | C | D | E |

## C - Occasional

| | |
|---|---|
| Individual item. | Will occur in the life of the system. |
| Fleet or inventory. | Occurs several times in the life of the system. |
| Individual soldier. | Will occur in career. |
| All soldiers exposed. | Occurs sporadically. |

# Risk Management

## Risk Assessment Matrix

| HAZARD PROBABILITY | | | | |
|---|---|---|---|---|
| Frequent | Likely | Occasional | Seldom | Unlikely |
| A | B | C | D | E |

### D - Seldom

| | |
|---|---|
| Individual item. | Unlikely but could occur in the life of the system. |
| Fleet or inventory. | Unlikely but can be expected to occur in the life of the system. |
| Individual soldier. | Unlikely but could occur in career. |
| All soldiers exposed. | Occurs seldom. |

# Risk Management

## Risk Assessment Matrix

| HAZARD PROBABILITY | | | | |
|---|---|---|---|---|
| Frequent | Likely | Occasional | Seldom | Unlikely |
| A | B | C | D | E |

### E - Unlikely

| | |
|---|---|
| Individual item. not occur in the | So unlikely you can assume it will life of the system. |
| Fleet or inventory. of the system. | Unlikely but could occur in the life |
| Individual soldier. not occur in career. | So unlikely you can assume it will |
| All soldiers exposed. | Occurs very rarely. |

# Risk Management

## Risk Assessment Matrix

| EFFECT | | |
|---|---|---|
| | Catastrophic | I |
| | Critical | II |
| | Moderate | III |
| | Negligible | IV |

**Catastrophic - Death or permanent total disability, system loss, major property damage.**

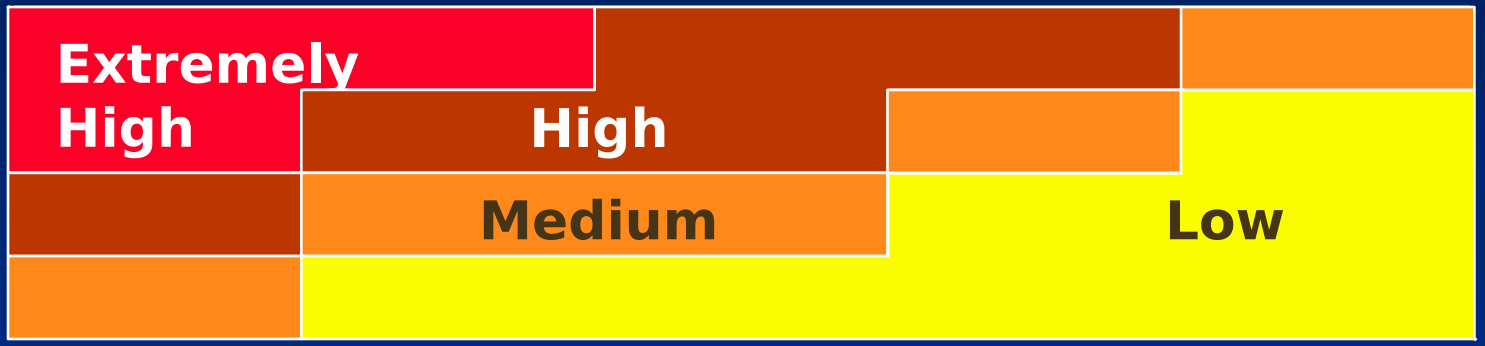
**Critical - Permanent partial disability, temporary total disability in excess of 3 months, major system damage, significant property damage.**

**Moderate - Minor injury, lost workday accident, compensable injury or illness, minor system damage, minor property damage.**

**Negligible - First aid or minor supportive medical treatment, minor system impairment.**

# Risk Management

## Risk Levels




**Extremely High - Loss of ability to accomplish mission.**

**High - Significantly degrades mission capability in terms of required mission standards.**

**Medium - Degrades mission capabilities in terms of required mission.**

**Low - Little or no impact on mission accomplishment.**

PROTECT THE FORCE
Assess Hazards
Make Decisions
Identify Hazards
Implement Controls
Supervise
through Risk Management

# QUESTIONS ?

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